Lesson 61: Cold, Clouds, and Snowflakes (96)
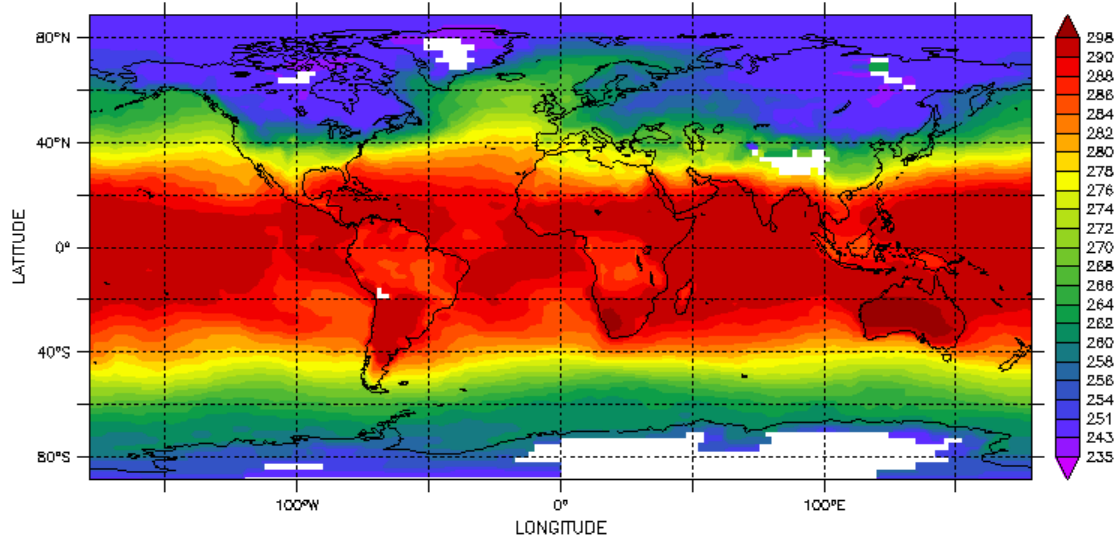
LAS 7.+/Ferret 6.1   NOAA/PMEL

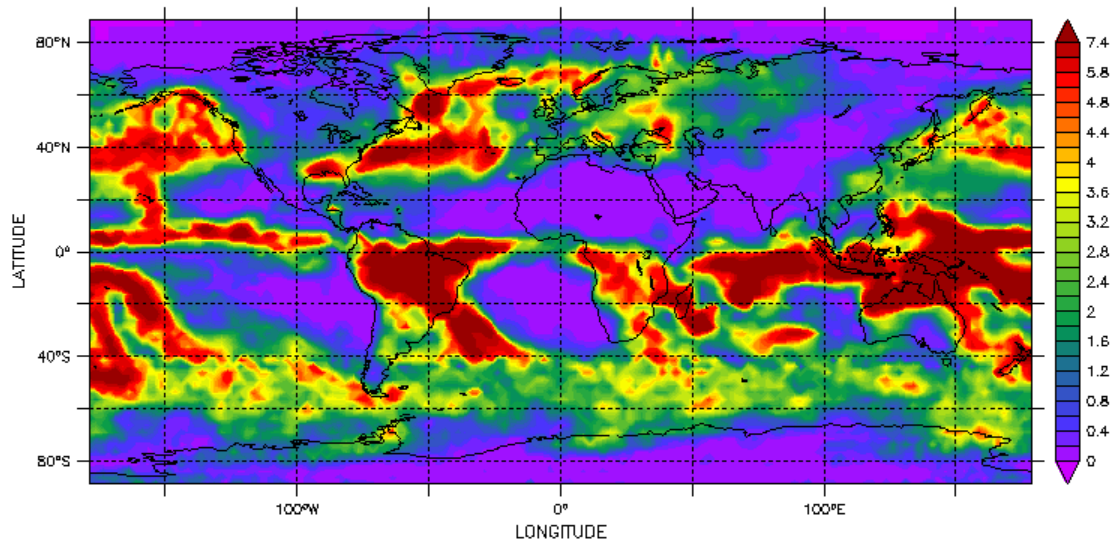TIME : 16-JAN-2004 00:00

DATA SET: ISCCPMonthly_avg.nc

Monthly Cloud Top Temperature for Low Clouds (ISCCP) (kelvin)

LAS 7.+/Ferret 6.1   NOAA/PMEL

TIME : 01-FEB-2004 00:00

DATA SET: /usr/local/fer_data/data/gpc_agg.nc

Monthly Precipitation (GPCP) (mm/day)

What Cities would have snow in January?

Students can choose an area of interest. Many European cities, Northeastern American cities, and other similar examples would be easy to research and study. For example, Northeastern United States (Vermont).

Montpelier, Vermont, United States of America
Latitude: 44.26
Longitude: -72.58
Cloud Temperature in January: ~257
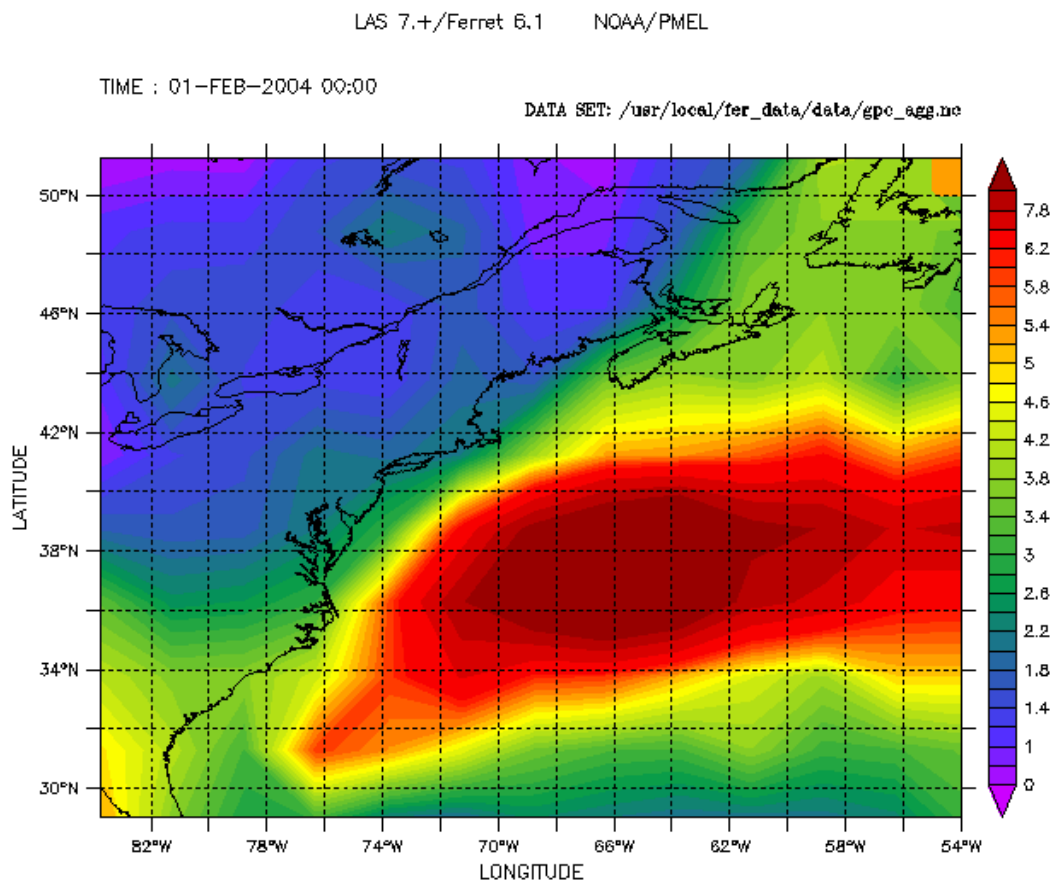Monthly Precipitation: ~2.5
Annual Precipitation: 35.91
Elevation: 160 meters (525 feet)
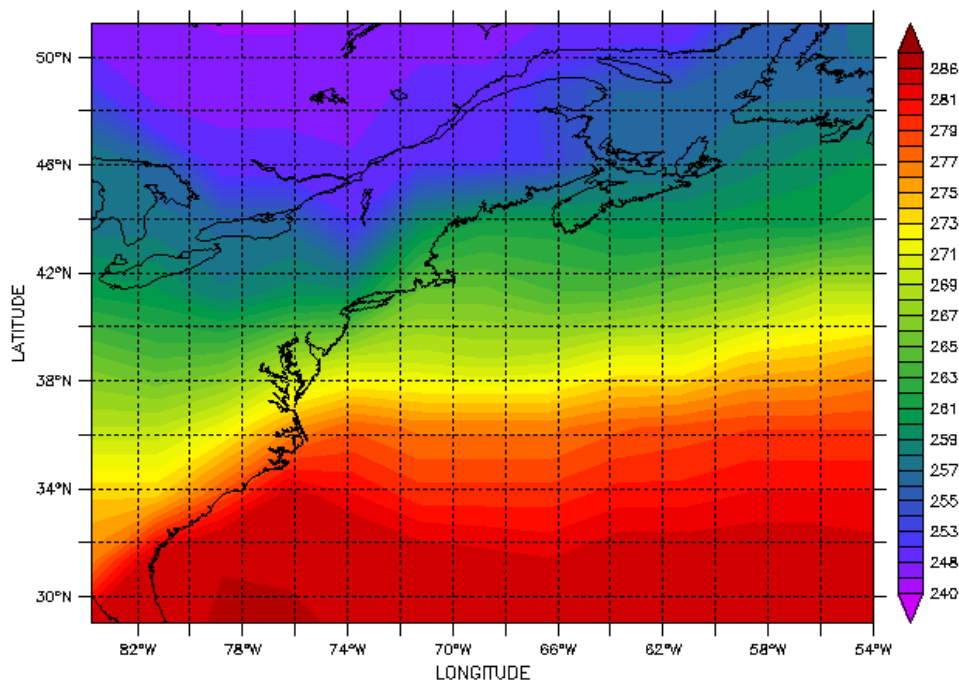Population: 8,411
Language spoken: English

A closer look at the Monthly Precipitation and Cloud Top Temperature for the Northeastern USA:

Monthly Precipitation (GPCP) (mm/day)

LAS 7.+/Ferret 6.1   NOAA/PMEL

TIME : 16-JAN-2004 00:00

DATA SET: ISCCPMonthly_avg.nc

Monthly Cloud Top Temperature for Low Clouds (ISCCP) (kelvin)

Comparison of Monthly Cloud top temperature to the monthly lower troposphere

LAS 7.+/Ferret 6.1   NOAA/PMEL

TIME : 16-JAN-1994 00:00

DATA SET: ISCCPMonthly_avg.nc

Monthly Cloud Top Temperature for Low Clouds (ISCCP) (kelvin)